

COP3330C Module 12 Graded Programming Assignment

Using the Module 12 practice exercise as a reference, implement a database solution which creates, writes, and reads contacts for the appointment reminder application. Create a new class with static methods as demonstrated in the practice exercise. Modify the Contact class as necessary to create an integer id field as the primary key and manage this field as demonstrated in the practice exercise.

Drop the contact table and database (even though this may not work) when exiting the application.

Remove or otherwise disable the contact data file write/read functionality and replace it with the database.

All other application functionality, including the event log feature, should remain the same.

If you use the Horizon system all required software is present.

For your project you will need to add the MS SQL Server driver JAR file and authentication DLL to the top-level folder of your project (above the src folder), included in this repo.

The driver JAR file will need to be added as a project library using the following steps in IntelliJ:

- Go to File/Project Structure
- Select Libraries
- Press + to add new library
- Browse to the top-level folder to find the JAR file
- Select the JAR file and click OK.

The JAR file will be located under the “Classes” heading.

The DLL file needs to be added as a library, follow the same steps as above and you will notice it is added under the “Native Library Folders” heading. Your settings should look similar to the following, although your paths will be different. Be sure to click “Ok” to close this dialog and apply the settings.



As you develop and test your solution you may want to keep Microsoft SQL Management Studio open to delete the table when necessary if your application gets stuck halfway through.